1   1. A simplified "T" interchange design for an

2   intersection of a four lane expressway with a two lane

3   highway, said interchange design comprising:

4   a first road surface with traffic moving in a left

5   to right direction, said first road surface having at

6   least two lanes for traffic moving in said left to right

7   direction,

8   a second road surface for traffic moving in a right

9   to left direction, said second road surface having at

10   least two lanes for traffic moving in said right to left

11   direction ,

12   an open space between said first road surface and

13   said second road surface, said open space substantially

14   forming a median;

15   a third road surface for traffic intending to

16   intersect said first road surface and said second road

17   surface; said third road surface having at least one lane

18   for traffic moving toward said first road surface and

19   said second road surface; said third road surface having

20   at least one lane for traffic moving away from said first

21   road surface and said second road surface;

22   a bridge located on said first road surface

23   substantially where said third road surface intersects

24   said first road surface, said bridge configured so that

25   vehicles traveling on said first road surface pass above

1 said third road surface, said bridge configured so that

2 vehicles traveling on said third road surface pass under

3 said first road surface; thus vehicles can make

4 transitions between said second road surface and said

5 third road surface without having to cut across said

6 first road surface.

7 2. An exit ramp from said first road surface onto

8 said third road surface.

9 3. An exit ramp from said third road surface onto

10 said first road surface.

11 4. An exit ramp from said second road surface onto

12 said median.

13 5. An on ramp from said median onto said second road

14 surface.

15

16 6. A simplified "T" interchange design for an

17 intersection of a four lane expressway with a two lane

18 highway, said interchange design comprising:

19 a first road surface with traffic moving in a left

20 to right direction, said first road surface having at

21 least two lanes for traffic moving in the left to right

22 direction,

23 a second road surface for traffic moving in a right

24 to left direction, said second road surface having at

least two lanes for traffic moving in the right to left
direction ,

an open space between said first road surface and
said second road surface, said open space substantially
forming a median;

a third road surface for traffic intending to
intersect said first road surface and said second road
surface; said third road surface having at least one lane
for traffic moving toward said first road surface and
said second road surface; said third road surface having
at least one lane for traffic moving away from said first
road surface and said second road surface;

a bridge located on said third road surface
substantially where said third road surface intersects
said first road surface, said bridge configured so that
vehicles traveling on said first road surface pass under
said third road surface, said bridge configured so that
vehicles traveling on said third road surface pass over
said first road surface; thus vehicles can make
transitions between said second road surface and said
third road surface without having to cut across said
second road surface.

7. An exit ramp from said first road surface onto said

third road surface.

8. An exit ramp from said third road surface onto said first road surface.

9. An exit ramp from said second road surface onto said median.

10. An on ramp from said median onto said second road surface.